



SMC'19: New Challenges in Data Science
Second Conference of The Moroccan Classification Society
March 28-29, 2019 Kenitra – Morocco



Bioinformatics Workshop Program

Tuesday March 26, 2019

08:30 - 09:00	Welcome Desk & Registration
09:00 - 09:30	Introduction to RNA-Seq
09:30 - 11:00	<ul style="list-style-type: none">▪ Introduction to sequencing technologies▪ File formats▪ Preprocessing
11:00 - 11:15	Coffee break
11:15 - 13:00	<ul style="list-style-type: none">▪ Alignment▪ Statistical models▪ Differential Expression Analysis
13:00 - 14:00	Lunch
14:00 - 16:00	RNA-Seq practical session
16:00 - 16:15	Coffee break
16:15 - 18:00	RNA-Seq practical session

Wednesday March 27, 2019

08:30 - 09:00	Welcome Desk & Registration
09:00 - 09:30	Introduction to Variant Calling
09:30 - 11:00	<ul style="list-style-type: none">▪ Mapping and duplicates marking▪ Indel realignment and base recalibration▪ Variant calling
11:00 - 11:15	Coffee break
11:15 - 13:00	<ul style="list-style-type: none">▪ Variant recalibration▪ Genotype Refinement and Functional Annotation▪ Analyzing variant calls
13:00 - 14:00	Lunch
14:00 - 16:00	Variant Calling practical session
16:00 - 16:15	Coffee break
16:15 - 18:00	Variant Calling practical session